

**STANDARD CONFIGURATION**

Flywheel housing		SAE3
Intake manifold location		Left hand*
Exhaust manifold / turbocharger location		Right hand*
Rotational mass moment of inertia excluding flywheel	kgm <sup>2</sup>	0.2255
Turbocharger		Wastegate
Fan drive ratios		1:1
Distance between fan - crankshaft centres	mm (in)	356 (14)
Fuel filter		Engine mounted
Fuel lift pump		Mechanical with primer
Oil filter		Single, vertical - LHS*
Oil sump		Pressed Steel
Breather system		Closed
Oil cooler		LHS*
Oil filler position		Top and left hand side*
Starter motor		12V, 4.2kW
Alternator		12V, 95A
Power Take-off: Heavy Duty		60kW, 205Nm, 1.268:1 RHS
Power Take-off: Light Duty		15kW, 40Nm, 1.625:1 LHS
Finish		Lacquered

\*Orientation from flywheel.

**DIMENSIONS**

Length	mm (in)	1184 (46.6)
Width	mm (in)	737 (29)
Height	mm (in)	1119 (44.1)

**OPTIONS**

Extensive range of configuration options available - please contact your local JCB Power Systems Distributor or JCB Power Systems Sales and Applications department for availability and configuration options.

**TEL : 0800 002 056**  
**95 Katere Road, New Plymouth**  
**2/355 Kahikatea Drive, Hamilton**  
**www.pacepower.co.nz**

**KEY FACTS**

A compact and easy to install power solution

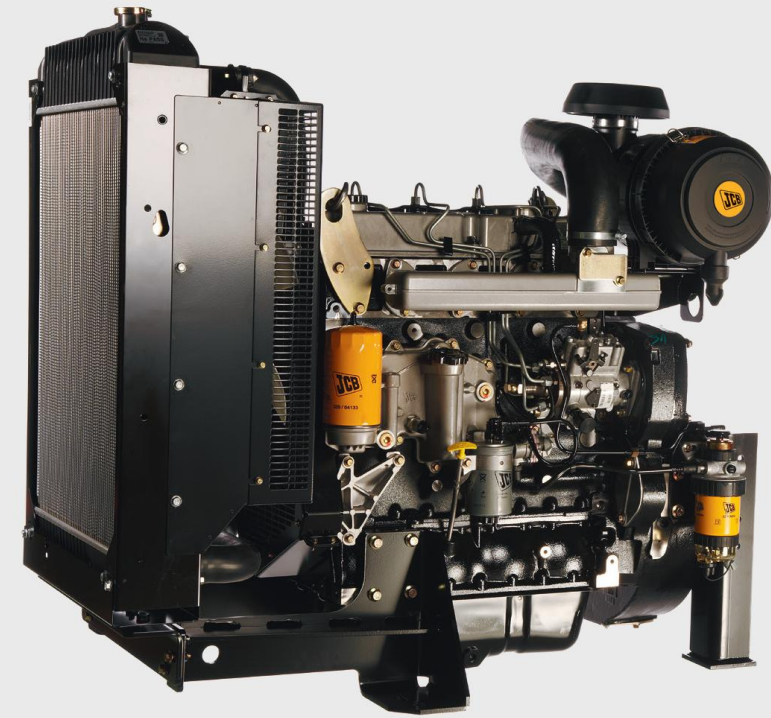
High fuel efficiency for low cost of ownership

High load acceptance for optimum performance

Supported with a global JCB distributor and dealer network

**GENERAL TECHNICAL DATA**

Model	444NG - 47		
Aspiration	NA		
Emissions level	UN II (Stage II equivalent) & CPCB II		
Calculated gen-set output:	<b>Prime</b>	<b>Standby</b>	
kWe (1)	40	44	
kVA (2)	50	55	
Gross power	kWm	47	52
Net power	kWm	44	48
Thermodynamic cycle	Diesel 4 stroke		
Arrangement	In-line 4 cylinder		
Bore	mm (in)	103 (4.1)	
Stroke	mm (in)	132 (5.2)	
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	4399 (268.4)	
Valves per cylinder	4		
Injection system	Mechanical		
Cooling	Liquid		
Direction of rotation (viewed from crank nose)	Clockwise		
Minimum starting temperature without auxiliaries	°C (°F)	-12 (10)	
Dry weight	kg (lb)	565 (1246)	
<b>Notes</b>			
(1) kWe calculation assumes X% alternator efficiency	91%		
<b>Fuel consumption</b>			
110% load	l/h (g/kWh)	14.3 (234)	
100% load	l/h (g/kWh)	12.6 (232)	
75% load	l/h (g/kWh)	9.3 (225)	
50% load	l/h (g/kWh)	6.3 (228)	
Governing	ISO8528 G2 Class		


**DIMENSIONS**
